

Pluri-canonical maps in positive characteristic

Yuchen Zhang
University of Utah

For a nonsingular projective variety X of general type, it's known that $|mK_X|$ induces a birational map for any m sufficiently large. It's an important problem to bound this integer m . In this talk, we will show that, in positive characteristic, $|4K_X|$ is birational providing that X has maximal Albanese dimension and the Albanese map is separable.